AMENDMENTS TO THE CLAIMS

Kindly amend the claims as follows:

- 1. (Original): A method of producing an array of proteins comprising,
- a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support,
 - b) expressing the nucleic acid molecules to produce proteins,
 - c) immobilizing the proteins to the support.
 - 2. (Original): A method of producing an array of proteins comprising,
- a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
 - b) expressing the nucleic acid molecules to produce proteins,
 - c) immobilizing the proteins to the support.
 - 3. (Original): A method of producing an array of proteins comprising,
- a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
 - b) expressing the nucleic acid molecules to produce proteins,
- c) transferring at least a subset of proteins produced in step b) to an additional support, and
 - d) immobilizing the subset to the additional support.
 - 4. (Original): A method of producing an array of proteins comprising,
- a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
- b) transferring at least a subset of nucleic acid molecules produced by said amplifying to an additional support,
 - c) immobilizing the subset to the additional support,

- d) expressing the subset to produce proteins,
- e) immobilizing the proteins to the additional support.
- 5. (Original): A method of producing an array of proteins comprising,
- a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
- b) transferring at least a subset of nucleic acid molecules produced by said amplifying to an additional support,
 - c) immobilizing the subset of nucleic acid molecules to the additional support,
 - d) expressing the subset of nucleic acid molecules to produce proteins,
- e) transferring at least a subset of proteins produced in step d) to a subsequent support, and
 - f) immobilizing the subset of proteins to the subsequent support.
- 6. (Original): The method of claim 1 wherein the nucleic acid molecules of the support are randomly patterned.
- 7. (Original): The method of claim 1 wherein the nucleic acid molecules of the support are ordered.
 - 8. (Original): A method of producing an array of proteins comprising,
- a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support,
 - b) immobilizing proteins to the nucleic acid molecules.
- 9. (New): The method of claim 2, wherein the nucleic acid molecules amplified *in situ* are RNA or DNA.
- 10. (New): The method of claim 9, wherein the DNA is selected from the group consisting of whole cDNA, partial cDNA, modified cDNA, chromosomal DNA, naturally occurring DNA, and synthetic DNA.

- 11. (New): The method of claim 9, wherein the RNA is selected from the group consisting of mRNA, naturally occurring mRNA, and synthetic mRNA.
- 12. (New): The method of claim 2, wherein the nucleic acid molecules are amplified *in situ* by a technique selected from the group consisting of PCR, isothermal self-sustained sequence replication, DNA ligase amplification, nucleic acid sequence-based amplification, and strand-displacement amplification.
- 13. (New): The method of claim 12, wherein the nucleic acid molecules are amplified *in situ* by PCR.
 - 14. (New): The method of claim 13, wherein the PCR comprises 10 amplification cycles.
 - 15. (New): The method of claim 13, wherein the PCR comprises 20 amplification cycles.
 - 16. (New): The method of claim 13, wherein the PCR comprises 30 amplification cycles.
- 17. (New): The method of claim 2, the nucleic acid molecules are amplified in situ to form a polony.
- 18. (New): The method of claim 2, wherein the nucleic acid molecules are amplified *in situ* to form an amplified feature.
- 19. (New): The method of claim 18, wherein size of the amplified feature is altered by adding polyacrylamide to the support.
- 20. (New): The method of claim 18, wherein size of the amplified feature is altered by adjusting a percentage of the polyacrylamide present on the support.

21. (New): The method of claim 18, wherein size of the amplified feature is determined by detecting fluorescence.